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Citation for published version:

Steedman, M 2014, Robust Semantics for Semantic Parsing. in *Proceedings of the 28th Pacific Asia Conference on Language, Information and Computation, PACLIC 28, Cape Panwa Hotel, Phuket, Thailand, December 12-14, 2014*. pp. 1. <<http://aclweb.org/anthology/Y/Y14/Y14-1001.pdf>>

Link:

[Link to publication record in Edinburgh Research Explorer](#)

Document Version:

Publisher's PDF, also known as Version of record

Published In:

Proceedings of the 28th Pacific Asia Conference on Language, Information and Computation, PACLIC 28, Cape Panwa Hotel, Phuket, Thailand, December 12-14, 2014

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Robust Semantics for Semantic Parsing

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Abstract

The paper presents a robust semantics for NLP applications including QA, text entailment and SMT that combines a (fairly) standard treatment of logical operators such as negation and quantification (Steedman 2012) with a highly nonstandard paraphrase- and entailment--based semantics of relational terms derived from text data by machine reading (Lewis and Steedman 2013a; 2013b). I'll consider the extension of the latter component to temporal and causal entailment using text-based methods, building on Lewis and Steedman 2014.